



research – innovation – science – engineering

NASA SBIR/STTR Success Story

Alabama A&M University
The AAMU-RISE Foundation

AAMU-RISE Foundation

Howard J. Foster Building
4900 Meridian Street North
Normal, AL 35762

Dr. Chance M. Glenn, Sr. – President/Executive Director



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About Us

Research Institution: Alabama A&M University (AAMU-RISE)

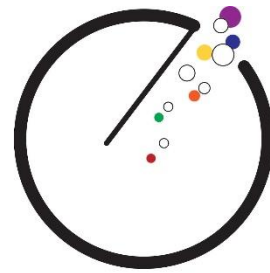
Small Business Partner: Morningbird Media Corporation

Innovation: 3D Printing of Functional Electronics

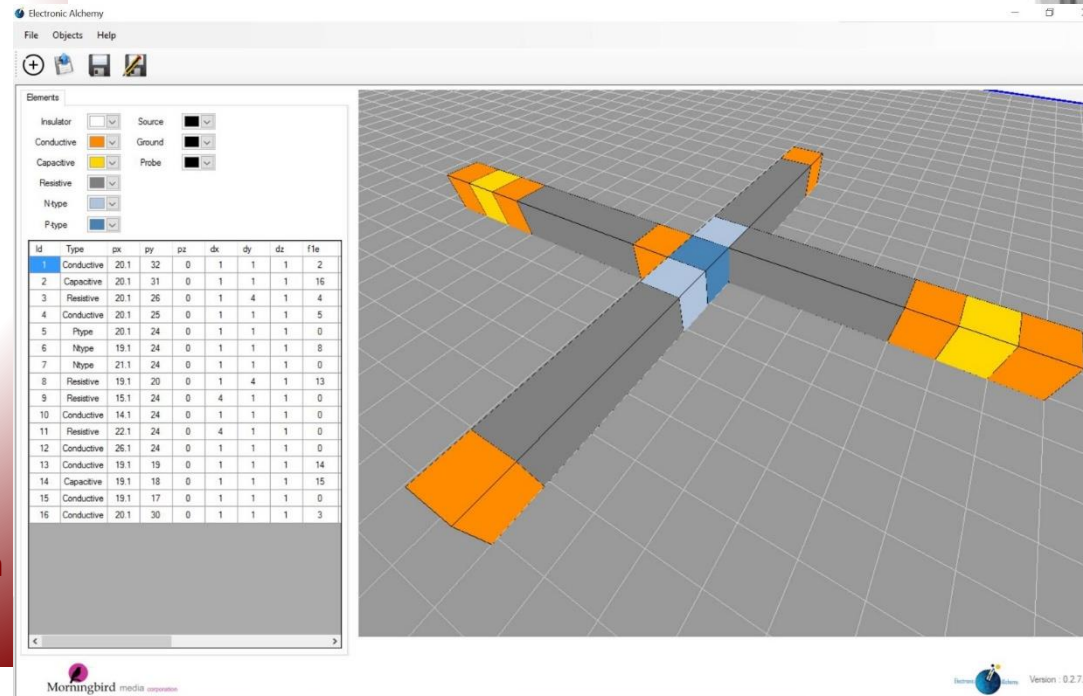
Problem Addressed: Critical Materials Mixtures and Deposition

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ELECTRONIC ALCHEMY



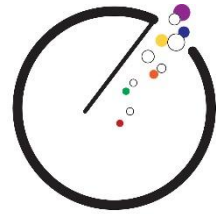
Development



EA - eForge

EA – Design Cauldron

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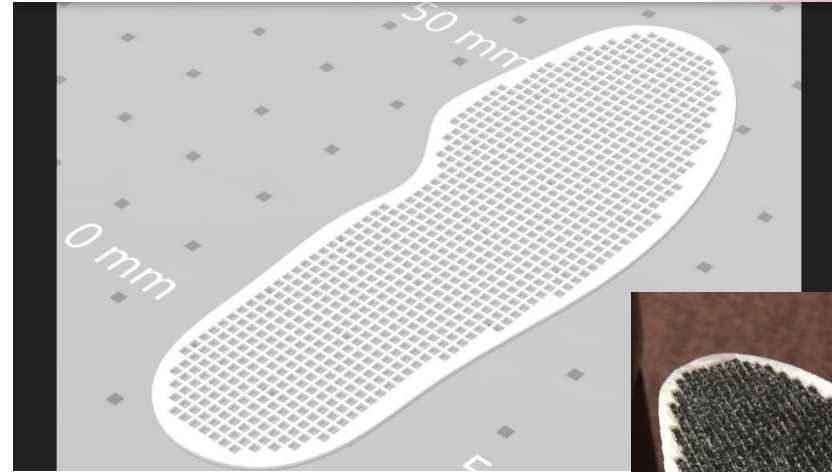
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Development



Challenges:

- Finding the appropriate subject matter experts (SMEs) to participate in the project.
- Affording time to the SMEs to write proposals without assurance of winning (aside from current grant writing responsibilities).
- Balancing resource budget with realistic deliverables.

Observations:

- The business partner (Morningbird Media) was associated with the university and had product development goals that aligned with the research requirements.
- Identify partners who's business goals have a research need that also aligns with the sponsor agency's (NASA's) technology goals.
- Our university encourages faculty members to form companies if their concepts are mature enough for productization.
- The university has benefited not only from additional R&D revenue, but we have several students that have worked on the project and benefited from the exposure to applied research.
- Strengthened the university's relationship with NASA

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How to Succeed

- Identify good writing partners on the RI and the SBC side.
- Clearly understand the technical requirements of the agency and address those things in the introduction and the summary.
- Create a clear, measurable task list with a time table.
- Understand how to navigate the portal well before the proposal due date.
- Have a good communication mechanism with the SBC.
- Communicate with the agency prior to submission during the open period.

Thank you

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